

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-01-11 11:08:36

Date of Next Testing: 2028-01-10 11:08:36

Product Name: **L-Asparagine**

CAS Number: 70-47-3

Specifications & Purity: 98%

Lot #: A2405118

SKU #: **A105949****Analysis:** **299694**

Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|---|--------------------------------|--------------------------------|
| Water by Karl Fischer | 0-1 (%) | 0.27% |
| Purity(HPLC) | 98-100 (%) | 99.65700% |
| Specific Rotation [a] _D 20/D(c=10 in 6N HCl) | 33-36.5 (°) | 33.10° |
| Appearance (A105949) | white powder or chunk or solid | white powder or chunk or solid |
| Solubility in 1 N HCl , Colorless,Clear,100 mg/ml | pass | Pass |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |

John Su
QA & QC Manager